

METHOD OF MANAGING WIRELESS NETWORK RESOURCES TO GATEWAY DEVICES

Abstract of the Invention

5 A resource allocation method equalizes distribution of network resources among
gateway users connected to at least one gateway access terminal and non-gateway users.
Gateway access terminals having data backlogs exceeding a predetermined backlog threshold
are assigned higher priorities to increase their transmission rate and relieve the backlog.
Alternatively, priority is assigned based on the relative data backlogs of all of the gateway
10 access terminals in the network. This ensures that gateway users are allocated resources fairly
and in a comparable manner to non-gateway users, maximizing system throughput.

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